| In | de | c of | Cla | aims | • |
|----|----|------|-----|------|---|
|    |    |      |     |      |   |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/753,139      | QUIRK ET AL. |  |
| Examiner        | Art Unit     |  |

| / | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

Malgorzata A. Walicka

| A |   | Appeal   |
|---|---|----------|
| C | , | Objected |

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|   |       |  | L                   |                |          |              |          | J          |  | L          |              |
|---|-------|--|---------------------|----------------|----------|--------------|----------|------------|--|------------|--------------|
| ı |       | lai  |                     |                |          |              | <u> </u> | 4-         |  |            |              |
|   | U     | laim   | <u> </u>            | ·              |          | _            | Da       | te         | _  | _          |              |
| - | _     | Original                                     | 08                  | 3              |          |              |          | 1          |  |            | İ            |
|   | Final | 1 등  | 22                  | 1              |          | ŀ            | 1        | -          |  |            | 1            |
| - | ίÏ    | ΙĔ   | 11                  | 1              |          |              |          |            |  | 1          |              |
| - |       | $\perp$                                      | 01                  | V.             |          | 1            |          |            |  |            |              |
| ĺ |       | 1  | V                   | $\overline{V}$ |          | Г            | Т        |            | T  | Т          | Т            |
| [ |       | 2  | V                   | 17             | T        |              | 1        |            |  |            |              |
|   |       | 1<br>2<br>3<br>4<br>5<br>6                   | V                   | 7              |          |              | Τ.       | T          |  | Τ          |              |
| [ |       | 4  | N                   | ŀ              |          | T            |          |            | Т  | Τ          |              |
| ı |       | 5  | N                   |                |          | Τ            | Т        | T          |  | T          |              |
|   |       | 6  | $\overline{V}$      |                | П        |              |          | Т          | T  | T          |              |
| ſ |       | 7  | V                   | 1              |          |              |          |            | T  | 1          | T            |
| Ī |       |  | Ň                   |                | -        | $\top$       | 1        | T          | T  | Τ          | $\top$       |
| ı | -     | 8  | Ň                   | $\vdash$       |          | T            | †        | T          | 1  | $\top$     |              |
| Ī |       | 10   | Ň                   |                |          | 1            | T        | 1          | $\top$   | T          | 1            |
| ţ |       | 11   | Ň                   |                | 1        | T            | $\top$   | T          | T  | †          | †            |
| Ì | -     | 12   | N                   | T              | T        | T            | 1        | T          | T  | $\top$     | T            |
| Ì |       | 13   | N                   |                | Г        | T            | T        | 1          | 1  | T          | T            |
| l |       | 14   | N                   |                | 1-       | T            | T        | +-         | T  | $\top$     | 1            |
| ļ |       | 15   | じ                   | t              | T        | T            | 1        | $t^-$      |  | †          | $\top$       |
| Ì |       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | ۱Ď                  |                | ļ        | T            | †        |            | $\vdash$   | t          | T            |
| Ì |       | 17   | ۲                   |                | 1        |              | +        | †          | T  |            | T            |
| Ī |       | 18   | V                   | 7              | Т        | 1            | T        | †          | ✝  | I          | t            |
| Ī |       | 19   | 17                  | T              |          | 1            |          | T          | 1  |            | t            |
| ſ |       | 20   | N                   | Ι              |          |              |          |            |  | ✝          |              |
| Ī |       | 21   | N                   |                |          | 1            |          | T          |  | $\vdash$   |              |
|   |       | 22   | $\nabla$            |                |          |              | 1        |            | Т  | Т          | T            |
|   |       | 19<br>20<br>21<br>22<br>23                   | Z                   |                |          |              | Τ        | T          | Г  |            |              |
| , |       | 24<br>25<br>26                               | Ľ                   |                |          |              |          |            |  |            | Г            |
| L |       | 25   |                     |                |          |              |          |            |  |            |              |
|   |       | 26   | L                   |                |          |              | Ŀ        |            |  |            |              |
| L |       | 27   |                     |                |          |              |          |            |  |            |              |
| L |       | 28   |                     |                | L.       |              |          |            |  |            |              |
| L |       | 29   |                     |                |          | L            | L        | _          | L  |            |              |
| L |       | 30   |                     | <u> </u>       |          | L            | _        | L          | $oxed{igspace}$  |            | L            |
| F |       | 31   |                     |                | <u> </u> | $oxed{oxed}$ | <u> </u> | lacksquare | $ldsymbol{ld}}}}}}$ |            | $\perp$      |
| 1 |       | 32<br>33                                     | <u> </u>            | L.             | L_       | _            | 1_       | <u> </u>   | L  | _          | $oxed{oxed}$ |
| 1 |       | 33   | Щ                   | L              | <u> </u> | L.           | <u> </u> | _          | L  | <u> </u>   | Ш            |
| 1 |       | 34   | Ш                   |                |          | _            | <u> </u> | <u> </u>   | <u> </u>   | L_         | L            |
| F |       | 35   | Щ                   |                |          | L            | _        | $\vdash$   | _  | <u> _</u>  | Ŀ            |
| F |       | 36   | Ы                   | ļ              |          |              | ļ        | <u></u>    | <u> </u>   | <u> </u>   | Щ.           |
| F |       | 37   | <u> </u>            |                |          | <u> </u>     |          | <u> </u>   | <u> </u>   |            | Ш            |
| F |       | 38   | $\vdash \dashv$     |                | -        | _            | ↓        | <u> </u>   |  | <u> </u> _ | Ш            |
| F |       | 39   | $\vdash \downarrow$ | Щ              |          | ļ            | <b>—</b> | _          | <u> </u>   | _          | Ш            |
| F |       | 40   | Ш                   |                |          |              | <u> </u> | _          | _  | <u> </u>   | Ш            |
| F |       | 41   | Ш                   | Ш              |          | _            | <u> </u> | <u> </u>   |  | <u> </u>   | Ш            |
| ŀ |       | 42   |                     | $\dashv$       |          |              | <b> </b> | ┞          | <u> </u>   | <u> </u>   | $\sqcup$     |
| F |       | 43   |                     |                |          |              | <u> </u> | <u> </u>   | ļ  | <u> </u>   | $\sqcup$     |
| F |       | 44   | $\vdash \dashv$     | 4              |          | _            | _        | <u> </u>   | L_   | <u> </u>   | Ш            |
| H |       | 45   |                     |                | _        |              | _        | <u> </u>   | <u> </u>   | L          | $\sqcup$     |
| H |       | 46   |                     | -              | _        |              | ļ        | <u> </u>   |  | L          | $\square$    |
| H |       | 47   | $\dashv$            |                | _        |              | <u> </u> | ļ          | Щ  |            | Щ            |
| H | _     | 48   |                     | 4              | _        |              | <b> </b> | <u> </u>   |  | <u> </u>   | Щ            |
| H |       | 49<br>50                                     |                     | $\dashv$       |          |              |          | _          |  |            | Щ            |
| 1 |       |  |                     | - 1            |          |              |          | i          |  |            | · I          |

| Cl   | aim      | Г        |          |  |          | Da       | te  |          |  | _                                      |
|--|----------|----------|----------|--|----------|----------|---|----------|--|--|
| <u>                                   </u> | į.       | ╁        | Т        | Τ  | Т        | T        | Ť   | T        | Т                                      | Т                                      |
| <del></del>                                | Original |          | 1        |  |          | 1        |   |          |  |  |
| Final                                      | <u> </u> |          |          |  |          |          |   | 1        | ŀ                                      |  |
| "  | ŏ        |          |          |  | 1        |          | 1   |          |  |  |
| -  | E4       | ├        | ╀        | +  | ╁        | +-       | +   | ╀        | +                                      | ╄                                      |
|  | 51<br>52 | ╁        | ╀        | +-   | +        | +-       | +   | +        | +                                      | +-                                     |
|  | 52       | ⊢        | ⊢        | +-   | +        | +        | ╀   | +        | ┼-                                     | +-                                     |
| <u> </u>                                   | 53       | <u> </u> | ₽-       | 4  | ┸        | 1        | ╄-  | +-       | ╄                                      | 1                                      |
|  | 54       | ┡        | 1        | 4  | 4_       | L        | 4_  | ┺        | ↓_                                     | ↓_                                     |
| -  | 55       | ļ.,      | ↓_       | 4.   | 4        | 4_       | ļ   | 1_       | ــــــــــــــــــــــــــــــــــــــ | 1                                      |
|  | - 56     | <u> </u> | L        | 1  | _        | _        | ┸   | 1        | <u> </u>                               | ــــــــــــــــــــــــــــــــــــــ |
| ļ  | 57       |          | <u> </u> | ╄  | $\perp$  | _        | _   | ╙        | L                                      | L                                      |
|  | 58       |          | <u> </u> | ┺.   | <u> </u> |          | ┸   | _        | 上                                      | <u> </u>                               |
|  | 59       |          |          | _  |          | $\perp$  | L   | L        |  |  |
|  | 60       | _        | L        |  |          |          | <u>L</u>  |          |  |  |
|  | 61       |          |          |  |          |          |   |          |  |  |
|  | 62       | L        | L        | Ľ  | L        |          |   | $L^-$    | $\Box$                                 |  |
| · [  | 63       | L        | Ĺ        | L  |          | L        | $oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}} $ |          |  |  |
|  | 64       |          |          | $oldsymbol{ol}}}}}}}}}}}}}}$ | $L^{-}$  |          |   | Π        | Γ                                      | Π                                      |
|  | 65       |          | Г        | Γ  | Γ        |          |   | T :      |  |  |
|  | 66       |          |          | Г  |          |          |   |          |  |  |
|  | 67       |          |          | П  | Τ        |          |   |          | Ī                                      |  |
|  | 68       |          |          |  |          |          | Т   |          | П                                      |  |
|  | 69       |          |          |  |          |          | T   | П        | Γ                                      |  |
|  | 70       |          |          | Г  | T        |          |   | 1        |  |  |
|  | 71       |          |          |  | Т        | $\top$   | Г   | Γ        |  |  |
|  | 72       |          |          | Г  |          |          | Π   |          |  |  |
|  | 73       |          |          |  |          |          |   | Г        |  |  |
|  | 74       |          |          |  |          |          |   |          |  |  |
| -  | 75       |          |          | <u> </u>   |          |          |   | L.,      |  |  |
| L  | 76       |          | _        | L  |          |          |   |          |  |  |
|  | 77       |          | L        | _  | <u> </u> | <u> </u> |   | L        |  |  |
|  | 78       |          |          | <u> </u>   | L        |          | L   |          |  | L                                      |
|  | 79       |          | _        | <u>L</u>   | L        | L        | L   | <u> </u> |  |  |
|  | 80       |          |          | L  | _        |          | _   | İ        |  |  |
|  | 81       |          |          |  | _        |          |   |          |  |  |
|  | 82       |          | L        | L  |          |          |   | L        |  |  |
|  | 83       |          | _        |  |          |          |   |          | L                                      | L                                      |
|  | 84       |          |          | <u> </u>   |          |          |   |          | 匸                                      | L                                      |
|  | 85       |          |          | <u></u>  | L        |          |   |          | L                                      | L                                      |
|  | 86       |          |          |  |          | L        |   | L        |  | L                                      |
|  | 87       |          |          | L  | L        |          | Ĺ   | L        |  |  |
| <u></u>                                    | 88       |          |          | <u> </u>   |          |          |   |          |  | L                                      |
| لــــا                                     | 89       |          |          | L  | <u> </u> |          |   |          |  | L                                      |
|  | 90       |          |          |  |          |          |   |          |  |  |
| $\square$                                  | 91       |          |          |  | <u> </u> | _        |   | <u> </u> |  |  |
|  | 92       |          |          | <u>_</u>   | L.       |          |   | <u> </u> |  |  |
| $\perp \perp$                              | 93       |          |          | <u> </u>   |          | _        | <u> </u>  | L        |  |  |
|  | 94       | _        |          |  | _        | <u> </u> | _   |          |  |  |
|  | 95       | $\Box$   |          | L_   | _        | L        |   | L        |  |  |
|  | 96       | $\Box$   |          |  | L        | L        |   |          |  |  |
| $\sqcup$                                   | 97       |          |          |  | <u> </u> |          |   | L        |  |  |
|  | 98       | _        |          | _  |          |          | $ldsymbol{ld}}}}}}}}}$  |          |  |  |
|  | 99       |          |          | L.   | <u></u>  |          |   |          |  |  |
| 1 1  | 100      | - 1      |          | 1  | Ī        |          |   |          |  |  |

|          |   | L         | Т_            | _        |            |          |  |              | J  |                 |
|----------|---|-----------|---------------|----------|------------|----------|--|--------------|--|-----------------|
|          | laim  | Т         |               | —-       |            | Da       | to   |              |  | _               |
| <u> </u> |   | ├-        | $\overline{}$ |          | Т          | T        | T  | 1            | T  | $\overline{}$   |
| <u></u>  | Original                                      |           |               |          |            |          |  |              |  |                 |
| Final    | jë.   | ł         | 1             |          |            | 1        | i  | 1            |  |                 |
| _        |   |           |               |          |            | ľ        |  |              |  |                 |
|          | 101   | Ι.        | T             | 1        | †          | 1        | +  | +            | T  | H               |
|          | 101<br>102<br>103                             |           | $\top$        | 1        | 1          | T        | 1  | T            | 1  |                 |
|          | 103   |           |               | 1        | Т          | 1        | T  | T            | Τ  | $\Box$          |
|          | 104   |           |               | L        | L          |          | 1  |              |  |                 |
| <u></u>  | 105   |           |               |          | L          |          | L  |              |  |                 |
|          | 106   | _         |               | ↓_       | L          | $\perp$  | L  |              |  | Ш               |
| <u></u>  | 107   | _         | <u> </u>      | 1        | ↓_         |          | <u> </u>   | ↓_           | _  | Щ               |
| <u> </u> | 108   |           | ╙             | ╀        | 1_         | _        |  | <u> </u>     | _  | $\sqcup$        |
| <u> </u> | 109   | <u> </u>  | <u> </u>      | <u> </u> | -          | 4        | _  | ╄            | <u> </u>   | $\sqcup$        |
|          | 110   |           |               | ┼        | $\vdash$   | +-       | +-   | ╀            | ╄  |                 |
| -        | 111<br>112                                    | <u> </u>  | ⊢             | -        |            | ╁        | ╀  | ┼-           | ╀  | $\vdash$        |
| _        | 113   | -         | -             | +        | +          | +-       | -  | ╀            | ╁  | -               |
| <u> </u> | 114   | <u> </u>  | ļ             | $\vdash$ | ┼          | +        | ╁  | ┢            | +-   | -               |
| -        | 115   | -         | $\vdash$      | ┿        | -          | +-       | -  | ╁            | ╁  | $\dashv$        |
| $\vdash$ | 116   | —         | H             | ┼-       | ╁          | ╁        | ╁  | ╁┈           | ╁  | Н               |
|          | 117   | -         | ┢             | -        | $\vdash$   | ╁        | ╁─   | +            | $\vdash$   | Н               |
| -        | 118   |           | ╁             | $\vdash$ | ╁╴         | -        | $\vdash$   | +            | -  | $\vdash \vdash$ |
|          | 119   |           | $\vdash$      | $\vdash$ | ╁          | +        | ┢  | +-           | +-   | $\vdash$        |
|          | 120   | _         | -             | +        | T          | 1        | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$        |
|          | 121   |           | ┢             | † -      | t          | T        | 1  | t            | <del>                                     </del> | Н               |
| <u> </u> | 122   |           |               | T        | <u> </u>   | 1-       | <del>                                     </del> | 1            | t  | $\vdash \vdash$ |
|          | 119<br>120<br>121<br>122<br>123<br>124<br>125 |           |               |          |            |          | $\vdash$   | ╁            | 1  | H               |
|          | 124   |           |               |          |            |          |  |              |  |                 |
|          | 125   |           |               |          |            | 1        | Г  |              |  |                 |
|          | 126   |           |               |          |            |          |  |              |  |                 |
|          | 127   |           | <u> </u>      | <u> </u> | L          | L        |  | L            |  |                 |
|          | 127<br>128<br>129                             |           |               |          | L          | _        |  | ┖            |  | Ш               |
|          | 129   |           | L_            | <u> </u> | L          |          |  | $oxed{oxed}$ | L  | Ш               |
|          | 130<br>131                                    |           |               | <u> </u> | L          | <u> </u> | <u> </u>   | L            |  |                 |
| <u> </u> | 131   |           |               |          | _          | ļ        | _  | <u> </u>     |  |                 |
|          | 132<br>133                                    |           |               | ļ        | <b> </b> _ | ┡        | <u> </u>   | <u> </u>     |  | -               |
|          | 133   |           |               | _        | <u> </u>   | <u> </u> | <u> </u>   |              |  | Ш               |
| ļ        | 134   |           |               | ⊢        | ⊢          | -        | <u> </u>   | <u> </u>     | <u> </u>   | $\dashv$        |
| ļ        | 135<br>136                                    |           |               | ├—       | $\vdash$   | $\vdash$ | -  | <u> </u>     | -  |                 |
|          | 137   |           |               | -        |            | -        | _  | $\vdash$     | -  | $\dashv$        |
|          | 138   |           |               | ├        | -          |          | -  | -            |  |                 |
|          | 138<br>139                                    |           |               | -        | $\vdash$   | -        | -  |              | -  | $\dashv$        |
| <u></u>  | 140   |           |               | $\vdash$ | -          | ╁        | ├  |              |  | $\dashv$        |
| -        | 141   |           |               | $\vdash$ | -          |          | $\vdash$   |              | Н  | $\dashv$        |
|          | 142   |           |               |          |            | 1        |  | -            | Н  | $\dashv$        |
|          | 143   | $\neg$    | _             | Н        |            |          |  | $\vdash$     | $\vdash \vdash$                                  | $\dashv$        |
|          | 144   | $\neg$    |               | -        |            |          | Н  | Н            | $\vdash$   | $\dashv$        |
|          | 145   | $\exists$ |               |          | _          |          |  |              |  | $\dashv$        |
|          | 146   |           |               | П        |            |          |  |              |  | $\neg$          |
|          | 147   |           |               |          |            | П        |  |              |  | $\neg$          |
|          | 148   |           |               |          |            |          |  | $\Box$       | $\Box$   | $\neg$          |
|          | 149   |           |               |          |            |          |  |              |  | $\neg$          |
|          | 150   | ╝         |               |          |            |          |  |              |  | $\Box$          |
|          |   |           | _             |          |            |          |  |              |  |                 |